

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-13 (Canceled).

Claim 14 (Currently amended): A quartz glass crucible comprising an inside surface and an outside surface,

wherein, at least the inside surface comprises a transparent coated layer consisting essentially of a crystallization promoter and a silica matrix,

wherein,

the crystallization promoter is uniformly dispersed in the silica matrix,

said crystallization promoter is a metal oxide derived from a metal organic acid salt or a metal carbonate of one or more metals selected from the group consisting of magnesium, calcium, strontium and barium;

an amount of said crystallization promoter is equal to or more than  $1 \times 10^{-9}$  to less than or equal to  $1 \times 10^{-6}$  mol/cm<sup>2</sup> being calculated as metal oxide;

the transparent coated layer has a mechanical strength measured by JIS K 5600-5-4 wherein the coated layer is not scratched by a pencil of 6H hardness;

the amount of said crystallization promoter uniformly dispersed in the silica matrix does not change upon acid washing of the quartz glass crucible; ~~and~~

~~a thickness of the transparent coated layer is in the range from 0.0051 to 0.449  $\mu$ m.~~

Claim 15 (Previously presented): The quartz glass crucible according to Claim 14, wherein said crucible is obtained by coating a silica sol liquid comprising a metal salt and a partial hydrolyzate of an alkoxysilane oligomer on at least the inside and/or the outside

surface of the crucible, and heating a crucible coated with the silica sol liquid to form a transparent coated layer comprising a crystallization promoter derived from said metal salt.

Claim 16 (Previously presented): The quartz glass crucible according to Claim 15, wherein the metal salt is a metal organic acid salt or a metal carbonate of one or more metals selected from the group consisting of magnesium, calcium, strontium, and barium.

Claim 17 (Canceled).

Claim 18 (Previously presented): The quartz glass crucible according to Claim 16, wherein said metal salt is a carbonate of magnesium, calcium, strontium or barium.

Claim 19 (Previously presented): The quartz glass crucible as claimed in Claim 16, wherein said metal salt is an organic acid salt of magnesium, calcium, strontium or barium.

Claim 20 (Cancelled).

Claim 21 (Previously Presented): The quartz glass crucible as claimed in Claim 14, wherein said transparent coated layer is located on the inside surface of said crucible.

Claim 22 (Previously Presented): The quartz glass crucible as claimed in Claim 14, wherein said transparent coated layer is located on the inside and outside surface of said crucible.

Claim 23 (Canceled).

Claim 24 (Previously presented): The quartz glass crucible as claimed in Claim 19, wherein said organic acid salt is a carboxylate of magnesium, calcium, strontium or barium.

Claim 25 (Canceled).

Claim 26 (Previously presented): The quartz glass crucible as claimed in Claim 21, wherein said transparent coated layer is located on at least a part of the inside surface of said crucible.